BRUHAT BANGALORE MAHANAGARA PALIKE

FIRST AND FINAL BILL

MEASUREMENT SHEET

Name of work: Improvements Roads And Drains and Providing Covering Slabs at Bharatnagar, Varadarajnagar, Vinayaknagar, Singarapura Paradies, Singapura and Surrounding areas in Ward No. 11 (Kuvempunagar) in Vidyaranyapura Sub Division.

Estimated Cost : Rs. 30.00 Lakhs

Head of Account : P-3726 Zonal Public Works - POW Works

Job Code: 011-20-000122

Name of Agency: Sri Abbu Sambashiva Reddy, No. 1B3, Sree Arcade Layout, 4th Block, Doddabommasandra, Vidyaranyapura Post, Bangalore - 560 097.

Work order No: BBMP/EE/BTP/WO/49/2020-21 D: 20-07-2020.

	Measurements Recarded on :	09-08-2023							
Sl. No	Description	No.	L	B	D	Qty	Unit	Rate	Amount
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications						Cum		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 01 to 04 is =					**440.53**			
						312.94		200.00	**62588.00**
						127.59		205.64	**26238.00**
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)						Sqm		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 05 to 06 is =					**1413.45**			
						1046.25		100.00	**104625.00**
						367.20		93.85	**34462.00**
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete						Sqm		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 07 is =					**212.02**			
						156.94		742.00	**116449.00**
						55.08		625.65	**34461.00**
4	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.						Sqm		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 08 to 09 is =					**629.60**		850.00	**535160.00**

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl. No	Description	No.	L	B	D	Qty	Unit	Rate	Amount
	Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per						cum		
	Culverts		Not Executed			0.00			
						0.00		5000.00	**0.00**
6	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.						cum		
			Not Executed			0.00			
						0.00		5000.00	**0.00**
7	Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications						Sqm		
			Not Executed			0.00			
						0.00		150.00	**0.00**
8	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).						Sqm		
			Not Executed			0.00			
						0.00		5000.00	**0.00**
9	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge.						Sqm		
	Varadarajanagara 1st Cross 2nd Phase								
	E/S	1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	5.20	0.75		3.90			
		1	15.00	0.75		11.25			
		1	12.20	0.75		9.15			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	7.20	0.75		5.40			
	W/S								
		1	6.50	0.75		4.88			
		1	15.00	0.75		11.25			
		1	12.50	0.75		9.38			
		1	15.00	0.75		11.25			
		1	12.00	0.75		9.00			
		1	15.00	0.75		11.25			
		1	3.00	0.75		2.25			
		1	15.00	0.75		11.25			
		1	3.00	0.75		2.25			
		1	8.40	0.90		7.56			
		1	15.00	0.90		13.50			
		1	15.00	0.90		13.50			
		1	3.30	0.90		2.97			
	1st A Cross								
	N/S	1	10.60	0.90		9.54			

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Divi

Sl. No.	Description	No.	L	B	D	Qty	Unit	Rate	Amount
		1	4.10	0.75		3.08			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	8.20	0.75		6.15			
		1	15.00	0.75		11.25			
		1	3.00	0.75		2.25			
	S/S								
		1	11.90	0.75		8.93			
		1	5.60	0.75		4.20			
		1	15.00	0.75		11.25			
		1	15.00	0.75		11.25			
		1	12.00	0.75		9.00			
	Singapura Layout 1st Main Road								
	N/S								
		1	6.60	0.90		5.94			
		1	4.80	0.90		4.32			
		1	3.60	0.90		3.24			
		1	2.40	0.90		2.16			
		1	6.00	0.90		5.40			
		1	5.00	0.90		4.50			
		1	4.80	0.90		4.32			
		1	3.60	0.90		3.24			
		1	4.20	0.90		3.78			
		1	2.40	0.90		2.16			
		1	1.80	0.90		1.62			
		1	0.60	0.90		0.54			
		1	1.80	0.90		1.62			
		1	2.40	0.90		2.16			
		1	3.60	0.90		3.24			
		1	6.00	0.90		5.40			
		1	5.40	0.90		4.86			
		1	3.00	0.90		2.70			
		1	5.40	0.90		4.86			
		1	3.60	0.90		3.24			
		1	2.40	0.90		2.16			
		1	3.60	0.90		3.24			
	S/S	1	5.40	0.90		4.86			
		1	3.60	0.90		3.24			
		1	1.80	0.90		1.62			
		1	6.00	0.90		5.40			
		1	3.00	0.90		2.70			
		1	4.20	0.90		3.78			
		1	3.60	0.90		3.24			
		1	4.20	0.90		3.78			
		1	2.40	0.90		2.16			
		1	2.40	0.90		2.16			
		1	1.80	0.90		1.62			
		1	1.20	0.90		1.08			
		1	2.40	0.90		2.16			
		1	3.00	0.90		2.70			
		1	4.20	0.90		3.78			
		1	5.40	0.90		4.86			
		1	6.00	0.90		5.40			
		1	4.20	0.90		3.78			
		1	3.60	0.90		3.24			
		1	4.20	0.90		3.78			
		1	3.60	0.90		3.24			
		1	4.20	0.90		3.78			
		1	3.50	0.90		3.15			
	Total Qty =					**490.83**			
	Qty Limited to Approved Qty =					**490.23**		1800.00	**882414.00**

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl. No	Description	No.	L	B	D	Qty	Unit	Rate	Amount
		17-08-2023							
10	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						cum		
	Vent Concrete								
	Varadarajanagara 1st Cross 2nd Phase								
	E/S	1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	5.10	0.45	0.10	0.23			
		1	15.00	0.45	0.10	0.68			
		1	12.20	0.45	0.10	0.55			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	7.20	0.45	0.10	0.32			
	W/S								
		1	6.50	0.45	0.10	0.29			
		1	15.00	0.45	0.10	0.68			
		1	12.50	0.45	0.10	0.56			
		1	15.00	0.45	0.10	0.68			
		1	12.00	0.45	0.10	0.54			
		1	15.00	0.45	0.10	0.68			
		1	3.00	0.45	0.10	0.14			
		1	15.00	0.45	0.10	0.68			
		1	11.40	0.45	0.10	0.51			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	3.70	0.45	0.10	0.17			
	1st A Cross								
	N/S	1	10.60	0.45	0.10	0.48			
		1	4.10	0.45	0.10	0.18			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	8.20	0.45	0.10	0.37			
		1	15.00	0.45	0.10	0.68			
		1	3.00	0.45	0.10	0.14			
	S/S								
		1	11.90	0.45	0.10	0.54			
		1	5.60	0.45	0.10	0.25			
		1	15.00	0.45	0.10	0.68			
		1	15.00	0.45	0.10	0.68			
		1	12.00	0.45	0.10	0.54			
	Coping								
	Varadarajanagara 1st Cross 2nd Phase								
	E/S	2	50.00	0.15	0.10	3.00			
		2	27.20	0.15	0.10	1.63			

Contractor

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl. No	Description	No.	L	B	D	Qty	Unit	Rate	Amount
		2	97.20	0.15	0.10	5.83			
	W/S								
		2	6.50	0.15	0.10	0.39			
		2	27.50	0.15	0.10	1.65			
		2	27.00	0.15	0.10	1.62			
		2	18.00	0.15	0.10	1.08			
		2	26.40	0.15	0.10	1.58			
		2	33.70	0.15	0.10	2.02			
	1st A Cross								
	N/S	2	10.60	0.15	0.10	0.64			
		2	4.10	0.15	0.10	0.25			
		2	38.20	0.15	0.10	2.29			
		2	18.00	0.15	0.10	1.08			
	S/S								
		2	11.90	0.15	0.10	0.71			
		2	5.60	0.15	0.10	0.34			
		2	42.00	0.15	0.10	2.52			
	Ramp								
	Varadarajanagara 1st Cross 2nd Phase								
	E/S	1	50.00	0.30	0.10	1.50			
		1	27.20	0.30	0.10	0.82			
		1	97.20	0.30	0.10	2.92			
	W/S								
		1	6.50	0.30	0.10	0.20			
		1	27.50	0.30	0.10	0.83			
		1	27.00	0.30	0.10	0.81			
		1	18.00	0.30	0.10	0.54			
		1	26.40	0.30	0.10	0.79			
		1	33.70	0.30	0.10	1.01			
	1st A Cross								
	N/S	1	10.60	0.30	0.10	0.32			
		1	4.10	0.30	0.10	0.12			
		1	38.20	0.30	0.10	1.15			
		1	18.00	0.30	0.10	0.54			
	S/S								
		1	11.90	0.30	0.10	0.36			
		1	5.60	0.30	0.10	0.17			
		1	15.00	0.30	0.10	0.45			
		1	15.00	0.30	0.10	0.45			
		1	15.00	0.30	0.10	0.45			
		1	18.00	0.30	0.10	0.54			
	Total Qty =					**60.56**			
	Qty Limited to Approved Qty =					**60.51**		5500.00	**332805.00**
	Sub Total								**2129202.00**
	GST @ 18%								**383256.00**
								Total	**2512458.00**

Contractor

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division